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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/395,845	09/14/1999		LIH-JYH WENG	101058-0042	042 6554		
24267	7590	09/10/2003					
		ŒNNA, LLP	EXAMINER				
88 BLACK I BOSTON, M				YUFA, ALEK	YUFA, ALEKSANDR L		
				ART UNIT	PAPER NUMBER		
				2133	18		
				DATE MAILED: 09/10/2003	4		

Please find below and/or attached an Office communication concerning this application or proceeding.

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,		Application I	NO.	plicant(s)	Ū
	Office Action Summers	09/395,845		WENG, LIH-JYH	
	Office Action Summary	Examiner		Art Unit	
		Alex L. Yufa,		2133	
Period f	The MAILING DATE of this communication reply	on appears on the co	over sheet with th	e correspondence address	
THE - Extrafte - If th - If N - Fail - Any earr	MORTENED STATUTORY PERIOD FOR F MAILING DATE OF THIS COMMUNICAT ensions of time may be available under the provisions of 37 of r SIX (6) MONTHS from the mailing date of this communicat e period for reply specified above is less than thirty (30) days to period for reply is specified above, the maximum statutory ure to reply within the set or extended period for reply will, by reply received by the Office later than three months after the led patent term adjustment. See 37 CFR 1.704(b).	TION. CFR 1.136(a). In no event, I tion. s, a reply within the statutory period will apply and will exity statute, cause the application.	however, may a reply by minimum of thirty (30) pire SIX (6) MONTHS to to become ABANDO	e timely filed days will be considered timely. rom the mailing date of this communication (35 U.S.C. § 133).	ation.
Status 1)⊠	Responsive to communication(s) filed or	n 14 November 199)9		
2a)□		☐ This action is no			
3)□	Since this application is in condition for closed in accordance with the practice u	 allowance except fo 	or formal matters		its is
•	tion of Claims				
4)⊠	Claim(s) <u>1-36</u> is/are pending in the appli		-1 4°		
-_	4a) Of the above claim(s) is/are wi	ithdrawn from consi	deration.		
· · · · · ·	Claim(s) is/are allowed.				
6)⊠	. ,				
7)	•		ina na amt		
∟(ە Applica	Claim(s) are subject to restriction tion Papers	and/or election requ	mement.		
	The specification is objected to by the Exa	aminer.			
•	The drawing(s) filed on <u>14 September 199</u>		oted or b) 🔀 object	ted to by the Examiner.	
,	Applicant may not request that any objection				
11)	The proposed drawing correction filed on	is: a)	oved b)∐ disap	proved by the Examiner.	
	If approved, corrected drawings are required	d in reply to this Office	e action.		
12)	The oath or declaration is objected to by t	the Examiner.			
Priority	under 35 U.S.C. §§ 119 and 120				
13)	Acknowledgment is made of a claim for t	foreign priority unde	r 35 U.S.C. § 11	9(a)-(d) or (f).	
а)				
	1. Certified copies of the priority docu	uments have been r	eceived.		
	2. Certified copies of the priority docu	uments have been r	eceived in Appli	cation No	
*	3. Copies of the certified copies of th application from the Internation See the attached detailed Office action for	nal Bureau (PCT Ru	ıle 17.2(a)).		•
	Acknowledgment is made of a claim for do		•		cation).
	a) The translation of the foreign langua Acknowledgment is made of a claim for de				
Attachme	_				
2) 🔯 Not	ice of References Cited (PTO-892) ice of Draftsperson's Patent Drawing Review (PTO-9 rmation Disclosure Statement(s) (PTO-1449) Paper	948) 5)		mary (PTO-413) Paper No(s) nal Patent Application (PTO-152)	· ·

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DETAILED ACTION

Drawings

1. The drawings Figs. 4-6 are objected to as failing to comply with 37 CFR 1.84(p)(4).

New corrected drawings are required in this application because:

a) all means, presented on Figs. 4, 5 and 6, should be numbered;

The corrected drawings are required in reply to the Office action.

Claim Objections

- 1. Claims 4, 23, 24 are objected to because of the following informalities:
- a) claim 4 (line 1) recites the limitation "means a means" is indefinite and fails to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- b) claim 23 (line 1) recites the limitation "an to update" is indefinite and fails to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- c) claim 24 (line 2) recites the limitation of the step "E..".

Appropriate correction is required.

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Claim Rejection

Claim Rejections - 35 USC § 112

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claims 2-6, 8, 10, 12, 14-21 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claims contain subject matter which was not described in the specification (and is not shown in the drawings) in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

Claim 2 includes limitations, such as: a second register, etc., which were not described in the specification.

Claim 3 includes limitation, such as: a selection means, which was not described in the specification .

Claim 4 includes limitation, such as: a selection means, which was not described in the specification .

Claim 5 includes limitations, such as: a selection means, means for combining, etc., which were not described in the specification.

Claim 6 includes limitation, such as: a decrypting subsystem, which was not described in the specification .

Claim 8 includes limitations, such as: means for detecting, means for removing, and others, which were not described in the specification.

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Claim 10 includes limitation, such as: means for providing a key, which was not described in the specification .

Claim 12 includes limitations, such as: means for detecting, means for removing, which were not described in the specification

Claim 14 includes limitation, such as: means for providing a key, which was not described in the specification .

Claim 15 includes limitation, such as: adders, which were not described in the specification.

Claim 16 includes limitation, such as: a plurality of second multipliers, which was not described in the specification (e.g. in specification described: the multiplier 12 and "p" multipliers 12).

Claim 17 includes limitations, such as: an encryption means, means for producing, which were not described in the specification.

Claim 18 includes limitation, such as: a decrypting means, which was not described in the specification (applicant mentioned a decrypting subsystem in the rejected claim 6).

Claim 19 includes limitation, such as: a selection means, which was not described in the specification .

Claim 20 includes limitations, such as: an encryption means, means for producing, which were not described in the specification.

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Claim 21 includes limitation, such as: a decrypting means, which was not described in the specification (applicant mentioned a decrypting subsystem in the rejected claim 6).

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-36 are rejected under 35 U.S.C. 102(b) as being anticipated by US Patent 5,796,776 to Lomp et al.

Referring to claim 1, Lomp et al. teaches to use "random sequences using Galois Field mathematics" (column 8, lines 53, 54), "register 832, 833, 834, 835" (column 23, line 9), "multiplier 704, 705, 706" (column 21, line 59), "feedback" (column 3, line 49), and "feedback connection" (column 9, line 11).

Claims 2-22 as depended from respective claim 1, hence inherit the deficiency in claim 1. Also, according claims 2-22, Lomp et al. teaches to use "adders 213, 214, and 220" (column 10, line 66), "means for selecting" (see, e.g., column 47, line 47). Lomp et al. does not explicitly point out to DCH codes or encrypting/decrypting means, but Lomp et al. does not limit the type of codes or means further applicable to work with his device

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(e.g., such as encrypting decrypting means, etc.), and, for instance, inherently teaches that his device is intended and applicable to "large families of nearly mutually orthogonal codes" (column 3, lines 40, 41).

Referring to applicant's claim 23, Lomp et al. teaches to use a code sequence generator in a CDMA modem with the functional operation (additionally, with the mathematical formalization of the disclosed processes), including supplying the initial for "first register" /first memory means/ (e.g. see column 47, lines 29, 30 and 54), "producing a ... signal" (e.g. see column 47, line 31), "supplying a next symbol "i" of sequence" (e.g. see column 14, lines 10-55), updating "the first memory" /first memory means/ from one stage to the next stage /or last stage/ (e.g. see column 47, lines 53-55), "repeating" steps procedure (e.g. see column 47, line 60).

According applicant's claims 24-36, Lomp et al. teaches to multiply operations by multiplier (e.g. see column 23, line 67 and column 24, line 1), select operations (e.g. see column 47, line 47), combine operations (e.g. see column 48, lines 30-32), and other analogous steps presented in the applicant's claims 24-36.

Also, claims 24-36 as depended from respective claim 23, hence inherit the deficiency in claim 23.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure

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US 5,193,094

1. The following are suggested formats for either a Certificate of Mailing or Certificate of Transmission under 37 CFR 1.8(a). The certification may be included with all correspondence concerning this application or proceeding to establish a date of mailing or transmission under 37 CFR 1.8(a). Proper use of this procedure will result in such communication being considered as timely if the established date is within the required period for reply. The Certificate should be signed by the individual actually depositing or transmitting the correspondence or by an individual who, upon information and belief, expects the correspondence to be mailed or transmitted in the normal course of business by another no later than the date indicated.

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Please refer to 37 CFR 1.6(d) and 1.8(a)(2) for filing limitations concerning facsimile transmissions and mailing, respectively.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alex Yufa whose telephone number is 703-305-0715. The examiner can normally be reached on M-F 8:00am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert DeCady can be reached on 703-305-9595. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-2394.

Alex L. Yufa, Ph.D.

Examiner

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ay

Albert DeCady Primary Examiner